

# Converting Colors

$Yxy(50.0048, 0.3768, 0.3292)$

Have a look what the booklet for  
Yxy(50.0048, 0.3768, 0.3292)  
contains.

<b>Yxy(50.0025, 0.3768, 0.3292)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.0025, 0.3768, 0.3292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFAAAA
RGB	239, 170, 170
RGB Percent	94%, 67%, 67%
CMY	0.0626, 0.3334, 0.3334
CMYK	0.00, 0.29, 0.29, 0.06
HSL	0°, 68%, 80%
HSV	0°, 29%, 94%
XYZ	57.2325, 50.0025, 44.6559
YIQ	190.6310, 41.1240, 14.6280

# Conversions

## Conversions Part 2

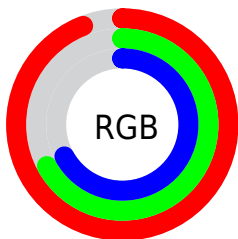
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 170, 170
Decimal	15706794
CIE Lab	76.07, 25.36, 10.15
CIE LCh	76, 27.317, 21.808
Yxy	50.0025, 0.3768, 0.3292
Android (android.graphics.Color)	4293896874 (0xFFEFAAAA)
YUV	190.6310, -10.1711, 42.4196
Hunter-Lab	70.7124, 20.7257, 12.0562

# Details

The Yxy color **50.0025, 0.3768, 0.3292** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **76.5195, 0.2709, 0.3289**, and the grayscale version is **51.9190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0890, 0.3339, 0.3301**, and **23.9757, 0.3954, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **41.0210, 0.4102, 0.3293**, and if you desaturate by 10%, it is **60.7817, 0.3498, 0.3291**.

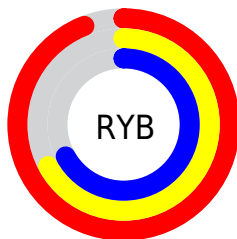
# Distribution



Red (94%)

Green (67%)

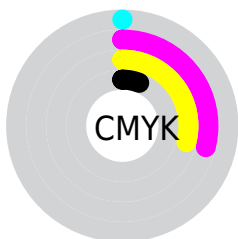
Blue (67%)



Red (94%)

Yellow (67%)

Blue (67%)

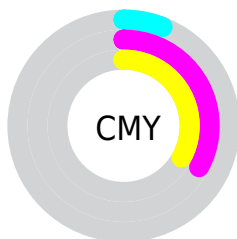


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (6%)



Cyan (6%)

Magenta (33%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0025, 0.3768, 0.3292 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 50.0025, 0.3768, 0.3292 by changing the saturation by 10% instead.





 50.0025, 0.3768,  
0.3292


 50.0025, 0.3768,  
0.3292


386.6757, 0.3448,  
0.3298

 35.4154, 0.3847,  
0.3289


 90.1786, 0.3652,  
0.3296

 23.9830, 0.3949,  
0.3283


 116.5363, 0.3609,  
0.3297

 15.3210, 0.4083,  
0.3274


147.5864, 0.3572,  
0.3297

 9.0450, 0.4268,  
0.3257

183.7132, 0.3540,  
0.3298

 4.7705, 0.4540,  
0.3225

225.3012, 0.3513,  
0.3298

 2.1133, 0.4973,  
0.3156

272.7347, 0.3488,

 0.6721, 0.6570,

0.3298

0.3320

326.3980, 0.3467,  
0.3298

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.0025, 0.3768,  
0.3292

50.0025, 0.3768,  
0.3292

41.0210, 0.4102,  
0.3293

60.7817, 0.3498,  
0.3291

33.7330, 0.4503,  
0.3294

73.4414, 0.3282,  
0.3291

28.0342, 0.4963,  
0.3296

88.0679, 0.3110,  
0.3290

23.8064, 0.5447,  
0.3297

97.0955, 0.3030,  
0.3290

■ 20.9144, 0.5891,  
0.3298

■ 19.1986, 0.6218,  
0.3299

■ 18.4201, 0.6386,  
0.3300

■ 18.3565, 0.6401,  
0.3300

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0025, 0.3479, 0.3004



50.0025, 0.3768, 0.3292



50.0025, 0.3873, 0.3596

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.0025, 0.3768, 0.3292



50.0025, 0.3116, 0.3874



50.0025, 0.2516, 0.2726

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.0025, 0.3768, 0.3292



76.5195, 0.2709, 0.3289

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.0025, 0.2434, 0.2918



50.0025, 0.3768, 0.3292



50.0025, 0.2767, 0.3597

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.0025, 0.3768, 0.3292



50.0025, 0.3482, 0.3960



50.0025, 0.2522, 0.3235



50.0025, 0.2753, 0.2685



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0025, 0.3768, 0.3292



50.0025, 0.3822, 0.3773



50.0025, 0.2522, 0.3235



50.0025, 0.2470, 0.2774

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.0049, 0.3768, 0.3292



84.8328, 0.3285, 0.3291



53.3321, 0.3161, 0.2571



17.6706, 0.3313, 0.3291



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.0049, 0.3768, 0.3292



51.1916, 0.3968, 0.3293



64.6834, 0.3661, 0.3668



15.7593, 0.3293, 0.3291



10.1417, 0.6401, 0.3300



0.8439, 0.6400, 0.3300



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.5195, 0.2709, 0.3289



86.8095, 0.2632, 0.3288



58.2040, 0.2665, 0.2879



17.9285, 0.2981, 0.3290



37.5450, 0.2246, 0.3287



3.1236, 0.2246, 0.3287



# Previews

## White Background



This preview shows how the Yxy color 50.0025, 0.3768, 0.3292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

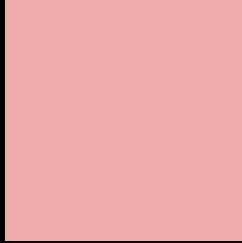
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0025, 0.3768, 0.3292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.0025, 0.3768, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 50.0025, 0.3768, 0.3292.



This preview shows how white text looks on a background with the Yxy color 50.0025, 0.3768, 0.3292.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

50.0025, 0.3768, 0.3292

### Protanopia

50.1328, 0.3240, 0.3391

### Deuteranopia

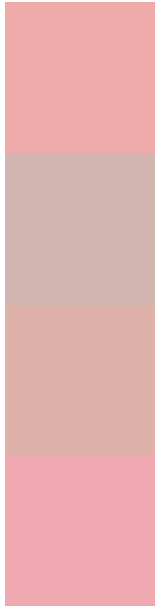
50.0210, 0.3518, 0.3448



## Tritanopia

49.8667, 0.3679, 0.3148

# Trichromacy



**Original Color**

50.0025, 0.3768, 0.3292

**Protanomaly**

49.8840, 0.3422, 0.3351

**Deuteranomaly**

49.8384, 0.3601, 0.3386

**Tritanomaly**

50.0755, 0.3714, 0.3203

# Monochromacy



**Original Color**

50.0025, 0.3768, 0.3292

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

50.6958, 0.3342, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0025, 0.3768, 0.3292 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(239, 170, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 170, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0025, 0.3768, 0.3292 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 170, 170) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 170, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(239, 170,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0025, 0.3768, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 170, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
170, 170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor